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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/591,362

09/01/2006

Lifeng Zhang

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45209

7590

02/12/2009

INTEL/BSTZ

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EXAMINER

BELOUSOV, ANDREY

ART UNIT

PAPER NUMBER

2174

MAIL DATE

DELIVERY MODE

02/12/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/591,362	<b>Applicant(s)</b> ZHANG ET AL.	
	<b>Examiner</b> ANDREY BELOUSOV	<b>Art Unit</b> 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 September 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>2/5/2007</u> .  | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. This action is responsive to the original filing of 9/1/2006. Claims 1-20 are pending and have been considered below.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 rejected under 35 U.S.C. 103(a) as being unpatentable over Vong (6,917,373) in view of Norton (Norton AntiVirus Gold 5.0, Feb. 1999, PC Update, pages 1-3 and Fig. 1-9.)

**Claim 1:** Vong discloses a method comprising:

- a. presenting information (Fig. 5) of a computing device on an exterior panel (Fig. 2: 307) of the computing device (Fig. 2: 200);
- b. and receiving commands from the exterior panel to perform operations (Fig. 5.)

However, Vong does not explicitly disclose wherein the information presented and operations performed are in relation to virus and anti-virus activity, respectively. Norton discloses an antivirus application including presenting virus information and receiving commands to perform anti-virus operations (Fig. 1.) Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to use the

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Norton application with the teaching of Vong. One would have been motivated to configure the control panel of Vong to display antivirus type applications, such as disclosed by Norton based on the suggestion in Vong (7:46-67) for configuring the control panel to work with a large selection of applications, including alerts (10:2-7) and notices from the operating system and/or specific applications.

**Claim 2:** Vong and Norton disclose the method of claim 1. Vong further discloses wherein receiving commands comprises: presenting at least one option on a display module located on the exterior panel (Fig. 5.)

**Claim 3:** Vong and Norton disclose the method of claim 1. Vong and Norton further disclose wherein presenting virus information comprises: displaying progress of the anti-virus operations (Norton: Fig. 4) on a display module located on the exterior panel (Vong: Fig. 2, 5.)

**Claim 4:** Vong and Norton disclose the method of claim 1. Norton further discloses wherein presenting virus information further comprises: providing a virus indicator button (Fig. 1: "Scan Now") on the exterior panel to indicate a virus status of the computing device (Fig. 7.)

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**Claim 5:** Vong and Norton disclose the method of claim 4. Norton further discloses wherein providing a virus indicator button comprises: indicating a presence of a virus on the computing device (Fig. 7: "Infected files found".)

**Claim 6:** Vong and Norton disclose the method of claim 4 wherein providing a virus indicator button further comprises: indicating anti-virus software on the computing device as out-of-date (Fig. 1: Using virus definitions dated 29/07/98".)

**Claim 7:** Vong and Norton disclose the method of claim 4. Norton further discloses wherein providing a virus indicator button further comprises: activating the virus indicator button to trigger the anti-virus operations (Fig. 1: "Scan Now".)

**Claim 8:** Vong and Norton disclose the method of claim 1. Vong further discloses further comprising: highlighting an icon on a display module at the exterior panel to indicate an associated activity as needing attention (8:13-24.)

**Claim 9, 15:** Vong discloses an apparatus comprising:

- a. a display module on an exterior panel to present information of the computing device (Fig. 2, 5); and
- b. a plurality of user buttons adjacent to the display module to receive commands to perform operations (8:25-50.)

However, Vong does not explicitly disclose wherein the information presented and operations performed are in relation to virus and anti-virus activity, respectively. Norton discloses an antivirus application including presenting virus information and receiving commands to perform anti-virus operations (Fig. 1.) Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to use the Norton application with the teaching of Vong. One would have been motivated to configure the control panel of Vong to display antivirus type applications, such as disclosed by Norton based on the suggestion in Vong (7:46-67) for configuring the control panel to work with a large selection of applications, including alerts (10:2-7) and notices from the operating system and/or specific applications.

**Claim 10, 16:** Vong and Norton disclose the apparatus of claim 9. Norton further discloses further comprising: a virus indicator button on the exterior panel to indicate a virus status of the computing device (Fig. 7) and to trigger the anti-virus operations when activated (Fig. 1: "Scan Now".)

**Claim 11, 17:** Vong and Norton disclose the apparatus of claim 10. Vong and Norton disclose wherein the virus indicator button comprises: a light-emitting diode (LED) (Vong: 8:25-67) to display a first color to indicate a presence of virus (Norton: Fig. 7) on the computing device and a second color to indicate anti-virus software on the computing device as out-of-date (Fig. 1: Using virus definitions dated 29/07/98".)

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**Claim 12, 18:** Vong and Norton disclose the apparatus of claim 9. Vong further discloses wherein the display module comprises: a liquid-crystal module (LCM) (2:58-67.)

**Claim 13, 19:** Vong and Norton disclose the apparatus of claim 9. Norton further discloses further comprises: a microcontroller including a first logic unit to display progress of the anti-virus operations on the display module (Fig. 4.)

**Claim 14, 20:** Vong and Norton disclose the apparatus of claim 9. Vong further discloses further comprising: a microcontroller including a second logic unit to display at least one option on the display module (Fig. 5), wherein the displayed option is positioned adjacent to one of the user buttons (Fig. 5; 8:25-50.)

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. 7034777 - McLarty
- b. 6924780 - Horst
- c. 6720983 - Massaro
- d. 6219229 - Lee
- e. 6191758 - Lee
- f. 6144363 - Alloul

- g. 5905914 - Sakai
- h. 5646535 - Dornier
- i. 5467102 - Kuno
- j. 5307055 - Baskin
- k. 5305183 - Teynor

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Belousov whose telephone number is (571) 270-1695. The examiner can normally be reached on Mon-Fri (alternate Fri off) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Steven P Sax/  
Primary Examiner, Art Unit 2174



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February 4, 2009